

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the above-identified application:

1. (Currently Amended) A pseudotyped retrovirus comprising recombinant RNA associated with a retroviral core surrounded by a lipid bilayer having disposed therein an Ebola glycoprotein containing a deletion of ~~amino acids~~ an amino acid sequence encoded by codons 309-489 of SEQ ID NO:1 in the *O*-glycosylation region, the recombinant RNA comprising (i) a nucleotide sequence defining a selected biomolecule intended for delivery to a target cell, and (ii) retroviral control elements for packaging, reverse transcription and integration of the retrovirus into a target cell.
2. (Original) The pseudotyped retrovirus of claim 1 wherein the retroviral core and control elements are from Moloney murine leukemia virus (Mo-MuLV).
3. (Withdrawn) The pseudotyped retrovirus of claim 1 wherein the retroviral core and control elements are from a lentivirus.
4. (Withdrawn/Previously Presented) The pseudotyped retrovirus of claim 3 wherein the lentivirus is feline immunodeficiency virus (FIV), human immunodeficiency virus (HIV), simian immunodeficiency virus (SIV) or equine infectious anemia virus (EIAV).
5. (Canceled)
6. (Original) The pseudotyped retrovirus of claim 1 wherein the selected biomolecule is a protein.
7. (Withdrawn) The pseudotyped retrovirus of claim 1 wherein the selected biomolecule is a bioactive RNA.

8. (Original) The pseudotyped retrovirus of claim 1 having a transduction efficiency into target cells of at least 2-fold higher than a retrovirus pseudotyped with the wild-type glycoprotein.
9. (Currently Amended) A pseudotyped retrovirus comprising recombinant RNA associated with a retroviral core surrounded by a lipid bilayer having disposed therein an Ebola glycoprotein containing a deletion of ~~amino acids~~ an amino acid sequence encoded by codons 309-489 of SEQ ID NO:1 in the *O*-glycosylation region, the recombinant RNA comprising (i) a nucleotide sequence defining a selected biomolecule intended for delivery to a target cell, and (ii) retroviral control elements for packaging, reverse transcription and integration of the retrovirus into a target cell.
10. (Canceled)
11. (Previously Presented) The pseudotyped retrovirus of claim 9 wherein the retroviral core and control elements are from Mo-MuLV retrovirus.
12. (Withdrawn/Previously Presented) The pseudotyped retrovirus of claim 9 wherein the retroviral core and control elements are from a lentivirus.
13. (Currently Amended) A pseudotyped retrovirus pseudotyped with an Ebola glycoprotein containing a deletion of ~~amino acids~~ an amino acid sequence encoded by codons 309-489 of SEQ ID NO:1 in the *O*-glycosylation region, the pseudotyped retrovirus having a transduction efficiency into a target cell of at least 2-fold higher than a retrovirus pseudotyped with the wild-type glycoprotein.
- 14.-25. (Canceled)